



Reply Under 37 C.F.R. § 1.116  
Expedited Procedure  
Art Unit 2613  
Serial No. 09/050,796

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Michael Sutton

Examiner: Richard Lee

Serial No. 09/050,796

Group Art Unit: 2613

Filed: March 30, 1998

For: VIDEO FLASHLIGHT AND CAMERA

**MARKUP SHOWING AMENDMENT UNDER 37 C.F.R. § 1.116**

Hon. Commissioner of Patents  
Washington, D.C. 20231

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**DEC 11 2002**

Sir:

**Technology Center 2600**

Applicant respectfully this mark-up showing the claim changes made by the attached Amendment Under 37 C.F.R. § 1.116, filed in response to the Final Office Action on the above-identified application mailed by the United States Patent and Trademark Office on June 7, 2002.

**In the Claims:**

Claims 1, 2, 7, 12, 13, 14, 16, 19, and 20 are amended as follows:

- 1 1. A security system, comprising:
- 2 a) a handheld light source for selectively emitting a
- 3 beam of light, said light source including:

4        1)    an imager, having an optical axis generally  
5 along said beam of light, for converting a first image  
6 received along said optical axis into an electronic  
7 image;  
8        2)    a transmitter, coupled to said imager, for  
9 broadcasting said electronic image as a broadcast image;  
10 and  
11        3)    a power cell, coupled to said imager and to  
12 said transmitter, for providing operating power such  
13 that said light source is portable; and  
14 b)    a remote unit, including:  
15        1)    a receiver for receiving said broadcast image  
16 and converting it back to said electronic image; and  
17        2)    at least one of the following:  
18            i)    a monitor, coupled to said receiver, for  
19 displaying said electronic image; and  
20            ii)   a recorder, coupled to said receiver, for  
21 recording said electronic image in a format suitable for  
22 recovery of said first image at a later time,  
23        wherein said handheld light source is constructed  
24 and arranged to concurrently generate said beam of  
25 light, convert said first image into an electronic  
26 image, and broadcast said electronic image as a  
27 broadcast image ~~is capable of remaining on during~~  
28 ~~operation of the imager.~~

1    2.    The security system of claim 1 wherein said remote  
2 unit consists essentially of ~~comprises only~~ said  
3 recorder.

1 7. The security system of claim 1 wherein  
2 said handheld light source further includes a  
3 microphone, coupled to said transmitter, for converting  
4 sounds from a region near said light source into audio  
5 signals,  
6 wherein said transmitter broadcasts said audio  
7 signals as audio data, ~~and~~ wherein said receiver  
8 converts said audio data into ~~said~~ audio signals, and  
9 wherein said monitor audibilizes said audio signals.

1 12. A method for providing security to an area,  
2 comprising the steps of  
3 broadcasting a series of real-time images with  
4 accompanying audio signals, from each of a plurality of  
5 handheld flashlights ~~at a different broadcast frequency~~  
6 ~~for each flashlight~~, each of said handheld flashlights  
7 constructed and arranged for emitting a flashlight beam,  
8 and each of said handheld flashlights having a an  
9 ~~integrated~~ video camera and microphone coupled to a  
10 transmitter, said video camera having ~~defining~~ an  
11 optical axis generally along said flashlight beam,  
12 wherein said series of real-time images are captured  
13 correspond to a series of optical images detected by  
14 said ~~integrated~~ video camera concurrent with said  
15 emitting a flashlight beam;  
16 receiving said series of real-time images and audio  
17 signals from ~~a selected~~ at least one of said plurality  
18 of flashlights as a received series at a remote  
19 receiver; and

20 capturing said received series of real-time images  
21 by selecting at least one of the following steps:  
22 displaying said received series of real-time images  
23 on a monitor coupled to said receiver while concurrently  
24 audibilizing said audio signals; and  
25 recording said received series of real-time images  
26 in a format suitable recovery of said real-time images  
27 at a later time.

1 13. A method for providing security to an area,  
2 comprising the steps of:  
3 equipping at least two of a team of security  
4 officers with a ~~plurality of~~ flashlights, the flashlight  
5 including an integrated wireless video camera and a  
6 microphone coupled to a transmitter, each flashlight  
7 constructed for to emitting a beam of light concurrent  
8 with said integrated wireless video detecting an image  
9 along an optical axis oriented generally along said beam  
10 of light;

11 broadcasting a series of real-time images with  
12 accompanying audio signals from the at least one of said  
13 flashlights ~~at a different channel, wherein each~~  
14 ~~flashlight includes an integrated wireless video camera~~  
15 ~~and microphone coupled to a transmitter, and wherein~~  
16 ~~each said series of real-time images is captured by said~~  
17 integrated wireless video camera concurrent with said  
18 generation of said beam of light ~~from a field of view~~  
19 ~~along an optical axis oriented generally along said beam~~  
20 ~~of light;~~

21       receiving ~~a selected one of~~ said series of real-  
22 time images and audio signals at a receiver operated at  
23 a remote location wherein a team member of said security  
24 team is located; and

25       capturing ~~said selected one of~~ said series of real-  
26 time images by selecting at least one of the following  
27 steps:

28               1) displaying to said team member said series  
29 of real-time images by use of a monitor coupled to said  
30 receiver, and audibilizing said audio signals to said  
31 team member while displaying said selected one of said  
32 series of real-time images; and

33               2) recording, by use of a recorder coupled to  
34 said receiver, ~~said selected one of~~ said series of real-  
35 time images in a format for later recovery and display  
36 by said team member.

1   14. The security providing method of claim 13 further  
2 comprising the steps of:

3       rebroadcasting said series of real-time images and  
4 audio signals by use of a repeater coupled to said  
5 receiver;

6       receiving said rebroadcast series of real-time  
7 images and audio signals by use of a second receiver  
8 operated at a second remote location wherein a second  
9 team member of said security officers is located;

10       displaying to said second team member said series  
11 of real-time images by use of a second monitor coupled  
12 to said second receiver; and

13           audibilizing said audio signals to said second team  
14 member while displaying said series of real-time images.

1   16. The security system of claim 1 wherein the handheld  
2 light source further includes a laser pointer ~~capable of~~  
3 ~~emitting~~ constructed and arranged to emit a laser beam  
4 oriented along a field-of-view of said imager and  
5 wherein said laser pointer is constructed and arranged  
6 to operate ~~operable~~ independently of said imager and  
7 said handheld light source.

1   19. The security system of claim 18 wherein said repeater  
2 is constructed and arranged to ~~capable of~~ rebroadcasting  
3 said broadcast image at a power level to the other  
4 receiver, said power level greater than another power  
5 level at which said transmitter broadcasts said  
6 electronic image as a broadcast signal.

1   20. The security system of claim 1 wherein said handheld  
2 light source further includes a microphone, coupled to  
3 said transmitter, constructed and arranged to ~~capable of~~  
4 ~~converting~~ a sound into an audio signal,  
5       wherein said transmitter is constructed and  
6 arranged to combine said audio signal and said  
7 electronic image ~~are combined~~ into a combined signal,  
8 ~~— wherein said transmitter is capable of and to~~  
9 ~~broadcasting~~ said combined signal, ~~—~~ in place of said  
10 broadcast image,

11       wherein said receiver is constructed and arranged  
12 to ~~capable of~~ receiving said combined signal and

13 converting it back to ~~said~~ an audio signal and ~~said~~ an  
14 electronic image.

Respectfully submitted,  
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- 3 beam of light, said light source including:



4        1)    an imager, having an optical axis generally  
5 along said beam of light, for converting a first image  
6 received along said optical axis into an electronic  
7 image;  
8        2)    a transmitter, coupled to said imager, for  
9 broadcasting said electronic image as a broadcast image;  
10 and  
11        3)    a power cell, coupled to said imager and to  
12 said transmitter, for providing operating power such  
13 that said light source is portable; and  
14 b)    a remote unit, including:  
15        1)    a receiver for receiving said broadcast image  
16 and converting it back to said electronic image; and  
17        2)    at least one of the following:  
18            i)    a monitor, coupled to said receiver, for  
19 displaying said electronic image; and  
20            ii)   a recorder, coupled to said receiver, for  
21 recording said electronic image in a format suitable for  
22 recovery of said first image at a later time,  
23        wherein said handheld light source is constructed  
24 and arranged to concurrently generate said beam of  
25 light, convert said first image into an electronic  
26 image, and broadcast said electronic image as a  
27 broadcast image ~~is capable of remaining on during~~  
28 ~~operation of the imager.~~

1    2.    The security system of claim 1 wherein said remote  
2 unit consists essentially of ~~comprises only~~ said  
3 recorder.

1 7. The security system of claim 1 wherein  
2 said handheld light source further includes a  
3 microphone, coupled to said transmitter, for converting  
4 sounds from a region near said light source into audio  
5 signals,

6 wherein said transmitter broadcasts said audio  
7 signals as audio data, ~~and~~ wherein said receiver  
8 converts said audio data into ~~said~~ audio signals, and  
9 wherein said monitor audibilizes said audio signals.

1 12. A method for providing security to an area,  
2 comprising the steps of

3 broadcasting a series of real-time images with  
4 accompanying audio signals, from each of a plurality of  
5 handheld flashlights ~~at a different broadcast frequency~~  
6 ~~for each flashlight~~, each of said handheld flashlights  
7 constructed and arranged for emitting a flashlight beam,  
8 and each of said handheld flashlights having a an  
9 ~~integrated~~ video camera and microphone coupled to a  
10 transmitter, said video camera having ~~defining~~ an  
11 optical axis generally along said flashlight beam,  
12 wherein said series of real-time images are captured  
13 correspond to a series of optical images detected by  
14 said ~~integrated~~ video camera concurrent with said  
15 emitting a flashlight beam;

16 receiving said series of real-time images and audio  
17 signals from ~~a selected~~ at least one of said plurality  
18 of flashlights as a received series at a remote  
19 receiver; and

20 capturing said received series of real-time images  
21 by selecting at least one of the following steps:  
22 displaying said received series of real-time images  
23 on a monitor coupled to said receiver while concurrently  
24 audibilizing said audio signals; and  
25 recording said received series of real-time images  
26 in a format suitable recovery of said real-time images  
27 at a later time.

1 13. A method for providing security to an area,  
2 comprising the steps of:  
3 equipping at least two of a team of security  
4 officers with a ~~plurality of~~ flashlights, the flashlight  
5 including an integrated wireless video camera and a  
6 microphone coupled to a transmitter, each flashlight  
7 constructed ~~for to~~ emitting a beam of light concurrent  
8 with said integrated wireless video detecting an image  
9 along an optical axis oriented generally along said beam  
10 of light;

11 broadcasting a series of real-time images with  
12 accompanying audio signals from the at least one of said  
13 flashlights ~~at a different channel, wherein each~~  
14 ~~flashlight includes an integrated wireless video camera~~  
15 ~~and microphone coupled to a transmitter, and wherein~~  
16 ~~each said series of real-time images is captured by said~~  
17 integrated wireless video camera concurrent with said  
18 generation of said beam of light ~~from a field of view~~  
19 ~~along an optical axis oriented generally along said beam~~  
20 ~~of light;~~

21        ~~receiving a selected one of said series of real-~~  
22        time images and audio signals at a receiver operated at  
23        a remote location wherein a team member of said security  
24        team is located; and

25        ~~capturing said selected one of said series of real-~~  
26        time images by selecting at least one of the following  
27        steps:

28                1) displaying to said team member said series  
29        of real-time images by use of a monitor coupled to said  
30        receiver, and audibilizing said audio signals to said  
31        team member while displaying said selected one of said  
32        series of real-time images; and

33                2) recording, by use of a recorder coupled to  
34        said receiver, ~~said selected one of said series of real-~~  
35        time images in a format for later recovery and display  
36        by said team member.

1        14. The security providing method of claim 13 further  
2        comprising the steps of:

3                rebroadcasting said series of real-time images and  
4        audio signals by use of a repeater coupled to said  
5        receiver;

6                receiving said rebroadcast series of real-time  
7        images and audio signals by use of a second receiver  
8        operated at a second remote location wherein a second  
9        team member of said security officers is located;

10               displaying to said second team member said series  
11        of real-time images by use of a second monitor coupled  
12        to said second receiver; and

13         audibilizing said audio signals to said second team  
14 member while displaying said series of real-time images.

1     16. The security system of claim 1 wherein the handheld  
2 light source further includes a laser pointer ~~capable of~~  
3 ~~emitting~~ constructed and arranged to emit a laser beam  
4 oriented along a field-of-view of said imager and  
5 wherein said laser pointer is constructed and arranged  
6 to operate ~~operable~~ independently of said imager and  
7 said handheld light source.

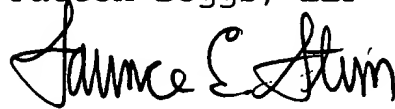
1     19. The security system of claim 18 wherein said repeater  
2 is constructed and arranged to ~~capable of~~ rebroadcasting  
3 said broadcast image at a power level to the other  
4 receiver, said power level greater than another power  
5 level at which said transmitter broadcasts said  
6 electronic image as a broadcast signal.

1     20. The security system of claim 1 wherein said handheld  
2 light source further includes a microphone, coupled to  
3 said transmitter, constructed and arranged to ~~capable of~~  
4 ~~converting~~ a sound into an audio signal<sub>1</sub>,  
5         wherein said transmitter is constructed and  
6 arranged to combine said audio signal and said  
7 electronic image ~~are combined~~ into a combined signal<sub>1</sub>,  
8 ~~— wherein said transmitter is capable of and to~~  
9 ~~broadcasting~~ said combined signal<sub>1</sub> in place of said  
10 broadcast image<sub>1</sub>,  
11         wherein said receiver is constructed and arranged  
12 to ~~capable of~~ receiving said combined signal and

13 converting it back to ~~said~~ an audio signal and ~~said~~ an  
14 electronic image.

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